

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-3 (Canceled)

Claim 4 (New) An information recording medium comprising:

a substrate having a microscopic pattern, which includes a shape of continuous substance of approximately parallel grooves formed with a convex shaped section and a concave shaped section alternating on a surface of the substrate;

a recording layer formed on the microscopic pattern; and

a light transmitting layer having thickness of 0.05 mm to 0.12 mm formed on the recording layer,

the microscopic pattern satisfies a relation of $P \leq \lambda / NA$, wherein P is a pitch of the convex shaped section, λ is a wavelength of a reproducing light beam and NA is a numerical aperture of an objective lens, and

further wherein the microscopic pattern includes a modulated address information formed on both side walls of the convex shaped section viewed from the light transmitting layer as a wobble, both the side walls being parallel to each other, and

furthermore wherein the address information is modulated by the frequency-shift keying modulation system.